

**Notice of Allowability**

Application No.

10/724,891

Examiner

Anatoly Vortman

Applicant(s)

WU ET AL.

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2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment of 10/31/06.
2. ☒ The allowed claim(s) is/are 1,3-5,7-10,12-16 and 18-20 (renumbered 1-16, respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Anatoly Vortman, P.E.  
Primary Examiner  
Art Unit 2835

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the Specification (please refer to the marked-up version filed on 10/04/06):

p. 5, [0012], line 2 from the bottom of the page, [dissipating] has been replaced with --dissipation--; p. 6, line 2 from the top of the page, [joined] has been replaced with --accommodate--, and line 5 from the top of the page, --the-- has been inserted before "second heat sink"; p.8 [0022], first line of the paragraph, [dissipating is introduced] has been replaced with --flow path--; p.10, [0027], line 6 of the paragraph, [with] has been replaced with --into-- following "member"; p. 11, [0031], line 2 of the paragraph, [can attach] has been replaced with --can be attached-- and line 5 of the paragraph, [description] has been replaced with --structure--; p. 12, line 1 of the page, [can use] has been replaced with --can be used--; p. 12, [0032], line 9 of the paragraph, [hole] has been replaced with --holes--, line 11 of the paragraph [gap space] has been replaced with --gaps--, and line 12 of the paragraph, [raised] has been replaced with --filled with the conductive material 42, and therefore, eliminated--; p. 13, [0034], line 8 of the paragraph [dissipating] has been replaced with --dissipation--; p. 13, [0035], line 2 of the paragraph, [would be generated from] has been replaced with --is generated by--, line 3 of

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the paragraph, --operation of the-- has been inserted before “computer” and [is operated] has been deleted following said “computer”, line 4 of the paragraph, [operating stability] has been replaced with --operation stable--, line 5 of the paragraph, following “formed by the”, [heat to the] has been deleted; p. 14, lines 6 and 7 from the top of the page, following “The heat” [also can be] has been replaced with --is--.

Further, on p. 8, following paragraph [0022], the heading “DETAILED DESCRIPTION” has been inserted.

In the Abstract:

p. 15, line 7 from the top of the page, --positioned-- has been inserted between “structure” and “above”, line 8, [backsides] has been replaced with --backside--, line 10, --the-- has been inserted before “openings”, line 14, --heat-- has been inserted before “sink”, and line 16, [dissipating] has been replaced with --dissipation--.

2. Reasons for allowance of all pending claims have been presented earlier during prosecution. At this time, the record appears to be clear regarding the allowability of all pending claims.

3. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anatoly Vortman whose telephone number is 571-272-2047. The examiner can normally be reached on Monday-Friday, between 10:00 am and 6:30 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Anatoly Vortman, P.E.  
Primary Examiner  
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A handwritten signature in black ink, appearing to read 'A. Vortman', with a long horizontal flourish extending to the right.

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